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Maths in Action

With wickedly good speakers with a passion for what is without doubt the best subject (maths), save the date for this exceptional study day. Give your KS5 students the opportunity to meet our crack team of mathematicians, engineers, statisticians, architects, code-breakers, data scientists and more for the ultimate educational experience.

- How to build a 1000mph car
- Patterns and Predictions
- Living is a risky business
- Closing the Gap: the quest to understand prime numbers
- Principal Component Analysis and Face Recognition



University of Salford
The Crescent
Salford, M5 4PD



£21 + VAT*

Plus one COMPLIMENTARY staff ticket per 10 students. *VAT may be reclaimable please check with your finance department

ttp is the leading provider of inspirational, informative, Education in Action study days for A-level, IB, BTEC and GCSE students.

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How to build a 1000mph car / [Rob Bennett](#)



The BLOODHOUND Project is a global Engineering Adventure, using a 1000mph world land speed record attempt to inspire the next generation to enjoy, explore and get involved in science, technology, engineering and mathematics.

Rob Bennett is Chief Inspirer at BLOODHOUND SSC where he works tirelessly to inspire and motivate the next generations into careers in Science, Technology, Engineering and Maths.



Living is a risky business / [Jen Rogers](#)



Whether bungee jumping or riding a bike, life involves risks. Get to grips with your own personal relationship with risk alongside Jennifer Rogers who shows how statistics can help you make better decisions.

Jen is Head of Statistical Research at specialist CRO, PHASTAR. She is currently Vice-President for External Affairs at the Royal Statistical Society and can regularly be found talking all things



Patterns and Predictions / [Colin Wright](#)



Maths is about patterns – finding them, proving that they're real, and then using them to make predictions. Colin will investigate some patterns – some real, some not real(!) – and see an application in an unexpected place.

Colin received his maths doctorate in 1990 from Cambridge University. While at Cambridge he also learned how to fire-breathe, unicycle, juggle and ballroom dance.



Closing the Gap: the quest to understand prime numbers / [Vicky Neale](#)



Prime numbers have intrigued, inspired and infuriated mathematicians for millennia. Vicky will describe recent progress towards proving the famous Twin Primes Conjecture and the very different ways in which these breakthroughs have been made that reveal how mathematicians work.

Vicky is Whitehead Lecturer in the Mathematical Institute at Oxford University. Vicky spends her time doing maths, teaching maths and talking maths to anyone who will listen.



Principal Component Analysis and Face Recognition / [Stefan Güttel](#)



Join Stefan to learn about one of the fundamental tools in data analysis, the principal component analysis (PCA). Given lots of measurements. Stefan will show you how to use PCA for face recognition.

Stefan is Reader in Numerical Analysis, a keen online entrepreneur, and rock bassist in INEGO. He researches algorithms, making sure that skyscrapers are stable and oil refineries don't explode.



The Training Partnership

Gilmoora House | 57-61 Mortimer Street | London W1W 8HS
020 3008 6441 | office@thetrainingpartnership.org.uk
www.thetrainingpartnership.org.uk